EXHIBIT A

Intertrust v. MS: JCCS Claim Chart

U.S. Patent No. 6,253,193, Asserted Claim 1

Γ—	'193 Claim 1	IT Construction	MS Construction
1.		The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #86 for Microsoft's construction of VDE.)
2.	receiving a digital file including music,		
3.		secure: One or more mechanisms are employed to prevent, detect or discourage misuse of or interference with information or processes. Such mechanisms may include concealment, Tamper Resistance, Authentication and access control. Concealment means that it is difficult to read information (for example, programs may be encrypted). Tamper Resistance and Authentication are separately defined (see item #67 and item #27, respectively, below). Access control means that access to information or processes is limited on the basis of authorization. Security is not absolute, but is designed to be sufficient for a particular purpose.	secure: (1) A state in which all users of a system are guaranteed that all information, processes, and devices within the system, shall have their availability, secrecy, integrity, authenticity and nonrepudiation maintained against all of the identified threats thereto. (2) "Availability" means the property that information is accessible and usable upon demand by authorized persons, at least to the extent that no user may delete the information without authorization. (3) "Secrecy," also referred to as confidentiality, means the property that information (including computer processes) is not made available or disclosed to unauthorized persons or processes. (4) "Integrity" means the property that information has not been altered either intentionally or accidentally. (5) "Authenticity" means the property that the characteristics asserted about a person, device, program, information, or process are genuine and timely, particularly as to identity, data integrity, and origin integrity. (6) "Nonrepudiation" means the property that a sender of information cannot deny its origination and that a recipient of information cannot deny its receipt.

			MG C 4 4
	<u>'193 Claim 1</u>	IT Construction	MS Construction
4.	storing information	secure: see item #3 above	secure: see item #3 above
	associated with said		
	digital file in a	budget: Information specifying a	budget: (1) A unique type of
	secure database	limitation on usage.	"method" that specifies a
	stored on said first		decrementable numerical limitation
	device,	control: Information and/or	on future Use (e.g., copying) of
	said information	programming controlling operations	digital information and how such Use
	including at least	on or use of resources (e.g., content)	will be paid for, if at all.
	one budget control	including (a) permitted, required or	(2) A "method" is a collection of
	and	prevented operations, (b) the nature	basic instructions, and information
	•	or extent of such operations or (c) the	related to basic instructions, that
		consequences of such operations.	provides context, data, requirements,
			and/or relationships for use in
			performing, and/or preparing to
			perform, basic instructions in relation
			to the operation of one or more
			electronic appliances.
			control: (1) Independent, special-
			purpose, Executable, which can
			execute only within a Secure
			Processing Environment (see below).
			(2) Each VDE Control is a
			Component Assembly dedicated to a
		·	particular activity (e.g., editing,
			modifying another Control, a user-
			defined action, etc.), particular
			user(s), and particular protected
			information, and whose satisfactory
			execution is necessary to Allowing
			(see below) that activity. (3) Each separate information Access
			1 ` '
			(see below) or Use is independently
			Controlled by independent VDE
			Control(s). (4) Each VDE Control is assembled
			within a Secure Processing Environment from independently
			deliverable modular components
			(e.g., Load Modules (see below) or
			other Controls), dynamically in response to an information Access or
			1 -
			Use Request.
			(5) The dynamic assembly of a
			Control is directed by a "blueprint"
			Record (see below) (put in place by
			one or more VDE users) Containing
			control information identifying the
			exact modular code components to be

		NG C
<u>'193 Claim 1</u>	IT Construction	MS Construction
		assembled and executed to govern
		(i.e., Control) this particular activity
(on this particular information by this
		particular user(s).
		(6) Each Control is independently
		assembled, loaded and delivered vis-
		à-vis other Controls.
		(7) Control information and Controls
	·	are extensible and can be configured
		and modified by all users, and
		combined by all users with any other
		VDE control information or Controls
		(including that provided by other
		users), subject only to "senior" user
		Controls.
		(8) Users can assign control
		information (including alternative control information) and Controls to
		an arbitrarily fine, user-defined
		portion of the protected information,
		such as a single paragraph of a
		document, as opposed to being
·		limited to file-based controls.
		(9) VDE Controls reliably limit Use
		of the protected information to only
	,	authorized activities and amounts.
		detilorized desirence and aniconic
		For the purposes of the construction
		of "Control," a "Secure Processing
		Environment" is defined as: A
	·	Secure Processing Environment is
	1	uniquely identifiable, self-contained,
		non-circumventable, and trusted by
		all other VDE nodes to protect the
		availability, secrecy, integrity and
		authenticity of all information
		identified in the patent application as
		being protected, and to guarantee that
		such information will be accessed and
		Used only as expressly authorized by
		the associated VDE Controls, and to
		guarantee that all requested reporting
		of and payments for protected
		information use will be made. A
		Secure Processing Environment is
		formed by, and requires, a Secure
		Processing Unit having a hardware
		Tamper Resistant Barrier
		encapsulating a processor and internal

<u>'193 Claim 1</u>	<u>IT Construction</u>	MS Construction
		Resistant Barrier prevents all unauthorized interference, removal, observation, and other Use of the information and processes within it.
		For the purposes of the construction of "Control," "Allowing" is defined as: Actively permitting an action that otherwise cannot be taken (i.e., is prohibited) by any user, process, or device. In VDE, an action is allowed only through execution (within a Secure Processing Environment) of the VDE Control(s) assigned to the particular action request, and satisfaction of all requirements imposed by such execution.
		For the purposes of the construction of "Control," "Access" is defined as: To satisfactorily perform the steps necessary to obtain something so that it can be Used in some manner (e.g., for information: copied, printed, decrypted, encrypted, saved, modified, observed, or moved, etc.). In VDE, access to protected information is achieved only through execution (within a Secure Processing Environment) of the VDE Control(s) assigned to the particular "access" request, satisfaction of all requirements imposed by such execution, and the Controlled opening of the Secure Container Containing the information.
		For the purposes of the construction of "Control," a "Load Module" is defined as: An Executable, modular unit of machine code (which may include data) suitable for loading into memory for execution by a processor. A load module is encrypted (when not within a secure processing unit) and has an Identifier that a calling process must provide to be able to use the load module. A load module is combinable with other load modules,

Γ	(102 Claim 1	IT Construction	MS Construction
	<u>'193 Claim 1</u>	11 Construction	and associated data, to form
	·	·	Executable Component Assemblies. A load module can execute only in a VDE Protected Processing Environment. Library routines are not load modules and dynamic link libraries are not load modules.
			For the purposes of the construction of "Control," a "Record" is defined as: A data structure that is a collection of fields (elements), each with its own name and type. Unlike an array, whose elements are accessed using an index, the elements of a record are accessed by name. A record can be accessed as a collective unit of elements, or the elements can be accessed individually.
5.	,	copy: To reproduce. The	copy: (1) To reproduce all of a
	control,	reproduction must be usable, may incorporate all of the original item or only some of it, and may involve some changes to the item as long as the essential nature of the content remains unchanged. control: see item #4 above	Digital File (see below) or other complete physical block of data from one location on a storage medium to another location on the same or different storage medium, leaving the original block of data unchanged, such that two distinct and independent objects exist. (2) Although the layout of the data values in physical storage may differ from the original, the resulting "copy" is logically indistinguishable from the original. (3) The resulting "copy" may or may not be encrypted, ephemeral, usable, or accessible.
			For the purposes of the construction of "Copy," a "Digital File" is defined as: A named, static unit of storage allocated by a "file system" and Containing digital information. A digital file enables any application using the "file system" to randomly access its contents and to distinguish it by name from every other such unit. A copy of a digital file is a separate digital file. A "file system" is the portion of the operating system

			NG C - 4
	<u>'193 Claim 1</u>	IT Construction	MS Construction
			that translates requests made by application programs for operations on "files" into low-level tasks that can control storage devices such as disk drives. control: see item #4 above
		hudest as item #4 shove	budget: see item #4 above
6.	said at least one budget control including a budget specifying the number of copies which can be made of said digital file;	budget: see item #4 above a budget specifying the number of copies which can be made of said digital file: Normal English, incorporating the separately defined terms: a Budget stating the number of copies that can be made of the digital file referred to earlier in the claim.	control: see item #4 above a budget specifying the number of copies which can be made of said digital file: A Budget explicitly stating the total number of copies (whether or not decrypted, long-lived, or accessible) that (since creation of the Budget) are authorized to be made of the Digital File by any and all users, devices, and processes. No process, user, or device is able to make another copy of the Digital File once this number of copies has been made.
		·	For the purposes of the construction of this phrase, "Digital File" is defined as set forth in item #5, above.
7.	and said at least one copy control controlling the copies made of said digital file;	control: see item #4 above controlling: Normal English: exercising authoritative or dominating influence over; directing. controlling the copies made of said digital file: The nature of this operation is further defined in later claim elements. In context, the copy control determines the conditions under which a digital file may be Copied and the copied file stored on a second device.	control: see item #5 above control: see item #4 above controlling: (1) Reliably defining and enforcing the conditions and requirements under which an action that otherwise cannot be taken, will be Allowed, and the manner in which it may occur. Absent verified satisfaction of those conditions and requirements, the action cannot be taken by any user, process or device. (2) In VDE, an action is Controlled through execution of the applicable VDE Control(s) within a VDE Secure Processing Environment. (3) More specifically, in VDE, Controlling is effected by use of VDE Controls, VDE Secure Containers, and VDE foundation

'193 Claim 1	IT Construction	MS Construction
·		(including VDE Secure Processing Environment, "object registration," and other mechanisms for allegedly individually ensuring that specific Controls are enforced vis-à-vis specific objects (and their content at an arbitrary granular level) and specific "users").
		For the purposes of the construction of "Control (v.)" et al, "Allowed" and "Secure Processing Environment" are defined as set forth in item #4, above.
		controlling the copies made of said digital file: Controlling Uses of and Accesses to all copies of the Digital File, by all users, processes, and devices, by executing each of the recited "at least one" Copy Control(s) within VDE Secure Processing Environment(s). Each Control governs (Controls) only one action, which action may or may not differ among the different "at least one" Controls. All Uses and Accesses are prohibited and incapable of occurring except to the extent Allowed by the "at least one" Copy Control(s).
		For the purposes of the construction of this phrase, "Secure Processing Environment," "Access" and "Allowed" are defined as set forth in item #4, above.

	<u> 193 Claim 1</u>	IT Construction	MS Construction
8.	determining whether said digital	copied (copy): see item #5 above	copied (copy): see item #5 above
	file may be copied and stored on a	control: see item #4 above	control: see item #4 above
	second device		
	based on at least said copy control;		
9.	if said copy control allows at least a	copied (copy): see item #5 above	copied (copy): see item #5 above
	portion of said	control: see item #4 above	control: see item #4 above
	digital file to be copied and stored		
	on a second device,		
10.	copying at least a	copying (copy): see item #5 above	copying (copy): see item #5 above
	portion of said		
	digital file;		
11.	•		
	a portion of said		
	digital file to a		
	second device		
-	including a memory		
	and an audio and/or		
12.	video output; storing said digital		
12.	file in said memory		
	of said second		
	device; and		
13.			
-0.	said music through		
	said audio output.		

	'193 Claim 11	IT Construction	MS Construction
111	11. A method	The claim contains no requirement of	Claim as a whole: The recited
14.	comprising:	a VDE.	method is performed within a VDE.
	Comprising.	4 7 2 2 .	(See item #86 for Microsoft's
			construction of VDE.)
15	receiving a digital		
13.	file;		
16.		secure: see item #3 above	secure: see item #3 above
10.	file in a first secure		
	memory of a first		
	device;		
17.		secure: see item #3 above	secure: see item #3 above
1	associated with		
1	said digital file in a	control: see item #4 above	control: see item #4 above
	secure database		
	stored on said first		.
	device,		
	said information		
	including a first		
	control;	i 1 () and its afficient	copied (copy): see item #5 above
18.		copied (copy): see item #5 above	Copied (copy). see item "5 doore
	whether said digital	control: see item #4 above	control: see item #4 above
•	file may be copied and stored on a	Control. See Item #4 above	<u> </u>
1	second device	·	
	based on said first		
	control, said		
	determining step		
	including		
İ	identifying said		
	second device and		
1	determining		
L	whether,		
19.		control: see item #4 above	control: see item #4 above
	allows transfer of	1/ 45 -1	copied (copy): see item #5 above
	said copied file to	copied (copy): see item #5 above	copied (copy). See Helli #3 above
	said second device,		
	said determination		
	based at least in		
	part on the features		
	present at the device to which		
	said copied file is		
	to be transferred;		
L	to be transferred;	<u> </u>	<u>.L</u>

	'193 Claim 11	IT Construction	MS Construction
20.	if said first control	control: see item #4 above	control: see item #4 above
	allows at least a		·
	portion of said	copied (copy): see item #5 above	copied (copy): see item #5 above
	digital file to be		
1	copied and stored		
	on a second device,		
21.	copying at least a	copying (copy): see item #5 above	copying (copy): see item #5 above
	portion of said		
	digital file;		
22.	_	·	· .
	a portion of said		
	digital file to a		
	second device		
	including a		
	memory and an		
	audio and/or video		
	output;		
23.			·
	file in said memory		
	of said second		
	device; and		· · · · · · · · · · · · · · · · · · ·
24.	. •		
	digital file through		
1	said output.		

	'193 Claim 15	IT Construction	MS Construction
25.	15. A method comprising:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #93 for Microsoft's construction of VDE.)
26.	receiving a digital file;		
27.	an authentication step comprising:	authentication: Identifying (e.g., a person, device, organization, document, file, etc.). Includes uniquely identifying or identifying as a member of a group.	authentication: To establish that the following asserted characteristics of something (e.g., a person, device, organization, document, file, etc.) are genuine: its identity, its data integrity, (i.e., it has not been altered) and its origin integrity (i.e., its source and time of origination).
28.	one identifier associated with a first device or with	identifier: Information used to identify something or someone (e.g., a password).	identifier: Any text string used as a label naming an individual instance of what it <i>Identifies</i> (see below)
	a user of said first device; and	In this definition, "identify" means to establish the identity of or to ascertain the origin, nature, or definitive characteristics of; includes identifying as an individual or as a member of a group.	For the purpose of the construction of "Identifier," "Identify" is defined as: To establish as being a particular instance of a person or thing.
29.	determining whether said identifier is associated with a device and/or user authorized to store said digital file;	identifier: see item #28 above	identifier: see item #28 above
30.	storing said digital file in a first secure memory of said first device, but only if said device and/or user is so authorized, but not proceeding with said storing if said device and/or user is not authorized;	secure: see item #3 above	secure: see item #3 above
31.	storing information associated with said digital file in a secure database stored on said first	secure: see item #3 above control: see item #4 above	secure: see item #3 above control: see item #4 above

	/ 100 Cl 1 15	IT Construction	MS Construction
	<u>'193 Claim 15</u>	11 Construction	MS Construction
	device, said		
	information		
	including at least		
	one control;		
32.	determining	copied (copy): see item #5 above	copied (copy): see item #5 above
	whether said digital		
	file may be copied	control: see item #4 above	control: see item #4 above
	and stored on a		
	second device		·
	based on said at		
	least one control;		
33.	if said at least one	control: see item #4 above	control: see item #4 above
	control allows at		
	least a portion of	copied (copy): see item #5 above	copied (copy): see item #5 above
	said digital file to		
	be copied and		
	stored on a second		
	device,		
34.	copying at least a	copying (copy): see item #5 above	copying (copy): see item #5 above
	portion of said		
	digital file;		
35.	transferring at least	·	
	a portion of said		·
	digital file to a		
<u> </u>	second device		
İ	including a memory		
	and an audio and/or		
L	video output;		
36.	storing said digital		·
	file in said memory		
	of said second	•	
	device; and	·	
37.	rendering said		
	digital file through		
1	said output.		

•					
. Patent No.	6 253 103	Accorted		m	19
. Patent No.	0,233,173	, Asserteu	0		

	'193 Claim 19	IT Construction	MS Construction
38.	19. A method comprising:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #86 for Microsoft's construction of VDE.)
39.	receiving a digital file at a first device;		
40.	establishing communication between said first device and a clearinghouse located at a location remote from said first device;	clearinghouse: A provider of financial and/or administrative services for a number of entities; or an entity responsible for the collection, maintenance, and/or distribution of materials, information, licenses, etc.	clearinghouse: (1) A computer system that provides intermediate storing and forwarding services for both content and audit information, and which two or more parties trust to provide its services independently because it is operated under constraint of VDE security. (2) "Audit information" means all information created, stored, or reported in connection with an "auditing" process. "Auditing" means tracking, metering and reporting the usage of particular information or a particular appliance.
41.	said first device obtaining authorization information including a key from said clearinghouse;	clearinghouse: see item #40 above	clearinghouse: see item #40 above
42.		use: Normal English: to put into service or apply for a purpose, to employ.	use: (1) To use information is to perform some action on it or with it (e.g., copying, printing, decrypting, encrypting, saving, modifying, observing, or moving, etc.). (2) In VDE, information Use is Allowed only through execution of the applicable VDE Control(s) and satisfaction of all requirements imposed by such execution. For the purposes of the construction of "Use," "Allowed" is defined as set forth in item #4, above.
43	receiving a first control from said clearinghouse at said first device;	control: see item #4 above clearinghouse: see item #40 above	control: see item #4 above clearinghouse: see item #40 above

	1100 07 1 10	IT Construction	MS Construction
	<u>'193 Claim 19</u>	IT Construction	IVIS CONSTIUCTION
44.	storing said first	·	
	digital file in a		
	memory of said		
	first device;		44-1
45.	using said first	control: see item #4 above	control: see item #4 above
	control to		14 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	determine whether	copied (copy): see item #5 above	copied (copy): see item #5 above
	said first digital file		
	may be copied and		
	stored on a second		
	device;		
46.	if said first control	control: see item #4 above	control: see item #4 above
	allows at least a		
	portion of said first	copied (copy): see item #5 above	copied (copy): see item #5 above
	digital file to be		
	copied and stored		
	on a second device,		
47.	copying at least a	copying (copy): see item #5 above	copying (copy): see item #5 above
	portion of said first		
	digital file;		
48.	transferring at least	·	
	a portion of said		
	first digital file to a		
	second device		
	including a		
	memory and an		
	audio and/or video		
	output;		
49.	storing said first		
	digital file portion		
	in said memory of		
	said second device;		
L	and		
50.	rendering said first		
Į.	digital file portion		
	through said		
	output.		

	'683 Claim 2	IT Construction	MS Construction
51.	2. A system	The claim contains no requirement	Claim as a Whole: The "system" is a
31.	including:	of a VDE.	VDE. (See item #86 for Microsoft's
]	morading.	0.1	construction of VDE.)
	C		
52.	a first apparatus		·
	including,	control: see item #4 above	control: see item #4 above
53.	user controls,	Control. See item #4 above	CONTROL SECTION # 1 dec 10
54.	a communications		
	port,		
55.			
56.	a memory storing:		cooper container (1) A VDE Compa
57.	a first secure	secure container: A container that is	secure container: (1) A VDE Secure Container is a self-contained, self-
	container	Secure.	II
			protecting data structure which (a) encapsulates information of arbitrary
		In this definition, "container" means	, +
1		a digital file containing linked and/or	size, type, format, and organization, including other, nested, containers,
		embedded items.	(b) cryptographically protects that
			information from all unauthorized
			Access and Use, (c) provides
1			encrypted storage management
1			functions for that information, such
			as hiding the physical storage
			location(s) of its protected contents,
			(d) permits the association of itself or
			its contents with Controls and
			control information governing
			(Controlling) Access to and Use
1			thereof, and (e) prevents such Use or
			Access (as opposed to merely
			preventing decryption) until it is
1			"opened."
1			(2) A Secure Container can be
İ			opened only as expressly Allowed by
	,		the associated VDE Control(s), only
1			within a Secure Processing
			Environment, and only through
İ	·		decryption of its encrypted header.
			(3) A Secure Container is not
			directly accessible to any non-VDE
			or user calling process. All such calls
			are intercepted by VDE.
			(4) The creator of a Secure
			Container can assign (or allow
			others to assign) control information
			to any arbitrary portion of a Secure
			Container's contents, or to an empty
			Secure Container (to govern
L		<u> </u>	Donate Committee (to Bo total

	<u>'683 Claim 2</u>	IT Construction	MS Construction
			(Control) the later addition of
			contents to the container, and Access
1			to or Use of those contents).
			(5) A container is not a Secure
			Container merely because its
			contents are encrypted and signed. A
			Secure Container is itself Secure.
			(6) All VDE-protected information
			(including protected content,
			information about content usage,
			content-control information,
			Controls, and Load Modules) is
			encapsulated within a Secure
			Container whenever stored outside a
		_	Secure Processing Environment or
		·	secure database.
		•	
			For the purposes of the construction
			of "Secure Container," "Secure
			Processing Environment," "Load
			Module," "Access" and "Allow" are
			defined as set forth in item #4, above.
58.	containing a	containing: Normal English: having	containing: Physically (directly)
1	governed item,	within or holding. In the context of	storing within, as opposed to
		an element contained within a data	addressing (i.e., referring to
		structure (e.g., a secure container),	something by the explicitly identified
		the contained element may be either	location where it is stored, without
1		directly within the container or the	directly storing it).
		container may hold a reference	
1		indicating where the element may be	
		found.	
59.		secure container: see item #57 above	secure container: see item #57 above
	container governed		·
	item being at least		
	in part encrypted;		
	the first secure		
	container having	,	
	been received from		
L.	a second apparatus;		

	<u>683 Claim 2</u>	IT Construction	MS Construction
60.	a first secure	secure container: see item #57 above	secure container: see item #57 above
	container rule		
	at least in part	aspect: Feature, element, property or	aspect: An aspect of an environment
	governing an	state.	is a persistent element or property of
	aspect of access to		that environment that can be used to
	or use of said first	use: see item #42 above	distinguish it from other
ı	secure container		environments.
	governed item,		
	the first secure		use: see item #42 above
	container rule, the		
	first secure		
	container rule		
	having been		•
	received from a		
	third apparatus		
	different from said		·
	second apparatus;		
	and		
61.	hardware or	secure container: see item #57 above	secure container: see item #57 above
	software used for		
	receiving and	contain (containing): see item #58	contain (containing): see item #58
	opening secure	above	above
	containers,		
	said secure	· ·	
	containers each		
	including the		
	capacity to contain	•	
	a governed item, a	•	
	secure container		
	rule being		
	associated with		· •
	each of said secure		·
ļ	containers;		protected processing environment:
62.	a protected	protected processing environment:	(1) A uniquely identifiable, self-
	processing	An environment in which processing	contained computing base trusted by
	environment at	and/or data is at least in part	all VDE nodes to protect the
	least in part	protected from tampering. The level	availability, secrecy, integrity and
	protecting	of protection can vary, depending on	authenticity of all information
	information	the threat.	identified in the February, 1995,
	contained in said	In this definition "annimoname"	patent application as being protected,
	protected	In this definition, "environment"	and to guarantee that such
	processing	means capabilities available to a	information will be Accessed and
	environment from	program running on a computer or	Used only as expressly authorized by
	tampering by a user	other device or to the user of a	VDE Controls.
	of said first	computer or other device.	(2) At most VDE nodes, the
	apparatus,	Depending on the context, the	Protected Processing Environment
		environment may be in a single	is a Secure Processing Environment
1	1	device (e.g., a personal computer) or	which is formed by, and requires, a
	1	may be spread among multiple LAIM CONSTRUCTION STATEMEN	

	'683 Claim 2	IT Construction	MS Construction
		devices (e.g., a network).	hardware Tamper Resistant Barrier
		_	encapsulating a special-purpose
		contained (containing): see item #58	Secure Processing Unit having a
		above	processor and internal secure
			memory. "Encapsulated" means
			hidden within an object so that it is
1		·	not directly accessible but rather is
		·	accessible only through the object's
		·	restrictive interface.
	,		(3) The Tamper Resistant Barrier
			prevents all unauthorized (intentional
			or accidental) interference, removal,
			observation, and use of the
			information and processes within it,
			by all parties (including all users of
			the device in which the Protected
	,		Processing Environment resides),
1			except as expressly authorized by
		·	VDE Controls.
[(4) A Protected Processing
			Environment is under Control of
1			Controls and control information
			provided by one or more parties,
			rather than being under Control of
			the appliance's users or programs.
1			(5) Where a VDE node is an
			established financial Clearinghouse,
			or other such facility employing
			physical facility and user-identity
		•	Authentication security procedures
			trusted by all VDE nodes, and the
			VDE node does not Access or Use
		·	VDE-protected information, or
			assign VDE control information, then
			the Protected Processing
	,		Environment at that VDE node may
			instead be formed by a general-
			purpose CPU that executes all VDE
İ			"security" processes in protected
			(privileged) mode.
			(6) A Protected Processing
1			Environment requires more than just
			verifying the integrity of Digitally
			Signed Executable programming
1		·	prior to execution of the
			programming; or concealment of the
1			program, associated data, and
			execution of the program code; or use
			of a password as its protection
L	<u> </u>	TAIM CONSTRUCTION STATEME	

	<u>'683 Claim 2</u>	IT Construction	MS Construction		
63.		protected processing environment: see item #62 above secure container: see item #57 above aspect: see item #60 above use: see item #42 above contained (containing): see item #58 above	mechanism. For the purposes of the construction of "Protected Processing Environment," "Secure Processing Environment" and "Access" are defined as set forth in item #4, above. contained (containing): see item #58 above protected processing environment: see item #62 above secure container: see item #57 above aspect: see item #60 above use: see item #42 above contained (containing): see item #58 above		
64.	hardware or software used for transmission of secure containers to other apparatuses or for the receipt of secure containers from other apparatuses.	secure container: see item #57 above	secure container: see item #57 above		

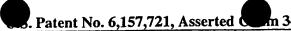
3. Patent No. 6,157,721, Asserted _______

	(721 Claim 1	IT Construction	MS Construction
	<u> '721 Claim 1</u>		Claim as a whole: The recited
65.	1. A security	The claim contains no requirement of	method is performed within a VDE.
	method comprising:	a VDE.	(See item #86 for Microsoft's
	•		construction of VDE.)
66.	digitally signing a	digital signature: A digital value,	digitally signing:
<u> </u>	first load module	verifiable with a key, that can be used	(1) Creating a Digital Signature
	with a first digital	to determine the source and/or	using a secret Key (see below).
ļ	signature	integrity of a signed item (e.g., a file,	(2) In symmetric key cryptography, a
	designating the	program, etc.).	"secret key" is a Key that is known
	first load module		only to the sender and recipient. In
ŀ	for use by a first	Digitally signing is the process of	asymmetric key cryptography, a
}	device class;	creating a digital signature.	"secret key" is the private Key of a
			public/private key pair, in which the
		designating: Normal English:	two keys are related uniquely by a
		indicating, specifying, pointing out or	predetermined mathematical
		characterizing.	relationship such that it is
1		use: see item #42 above	computationally infeasible to
			determine one from the other.
		device class: A group of devices which share at least one attribute.	Earth numbers of the construction
		which share at least one attribute.	For the purposes of the construction
		·	of "Digital Signing," a "Key" is
			defined as: A bit sequence used and needed by a cryptographic algorithm
			to encrypt a block of plain text or to
			decrypt a block of cipher text. A key
			is different from a key seed or other
	ļ		information from which the actual
			encryption and/or decryption key is
			constructed, Derived, or otherwise
			identified. In symmetric key
1			cryptography, the same key is used
			for both encryption and decryption.
			In asymmetric or "public key"
1			cryptography, two related keys are
1			used; a block of text encrypted by one
			of the two keys (e.g., the "public
1			key") can be decrypted only by the
			corresponding key (e.g., the "private
		,	key").
1]	, no, ,.
			digital signature: A computationally
			unforgeable string of characters (e.g.,
			bits) generated by a cryptographic
			operation on a block of data using
			some secret. The string can be
1			generated only by an entity that
			knows the secret, and hence provides
			Allows the secret, and hence provides

	<u> '721 Claim 1</u>	IT Construction	MS Construction
			evidence that the entity must have generated it.
			designating: Designating something for a particular Use means specifying it for and restricting it to that Use.
			use: see item #42 above
			device class: The generic name for a group of device types. For example, all display stations belong to the same device class. A device class is different from a device type. A
	•		device type is composed of all devices that share a common model
			number or family (e.g. IBM 4331 printers).
67.	digitally signing a second load module	digital signature: see item #66 above	digital signature: see item #66 above
	with a second	designating: see item #66 above	designating: see item #66 above
·	digital signature different from the first digital	use: see item #42 above	use: see item #42 above
	signature, the second digital	device class: see item #66 above	device class: see item #66 above
	signature designating the	tamper resistance: Making tampering more difficult and/or allowing	tamper resistance: The ability of a Tamper Resistant Barrier to
	second load module for use by a second	detection of tampering.	prevent Access, observation, and interference with information or
	device class having at least one of	In this definition, "tampering" means using (e.g., observing or altering) in	processing encapsulated by the barrier.
	tamper resistance and security level different from the at	any unauthorized manner, or interfering with authorized use.	For the purposes of the construction of "Tamper Resistance,"
	least one of tamper resistance and	digitally signing a second load	"Tamper/Tampering" is defined as: Using (e.g., observing or altering) in
	security level of the first device class;	module with a second digital signature different from the first	any unauthorized manner, or interfering with authorized use.
		digital signature, the second digital signature designating the second load	For the purposes of the construction of "Tamper Resistance," "Access" is
		module for use by a second device class having at least one of tamper	defined as set forth in item #4, above.
		resistance and security level different from the at least one of tamper	digitally signing a second load module with a second digital
		resistance and security level of the first device class: Normal English,	signature different from the first digital signature, the second digital
		incorporating the separately defined terms: generating a Digital Signature	signature designating the second load module for use by a second device

			NG G
L	<u> '721 Claim 1</u>	IT Construction	MS Construction
		for the second load module, the	class having at least one of tamper
		Digital Signature Designating that the	resistance and security level different
		second load module is for use by a	from the at least one of tamper
1	·	second Device Class. This element	resistance and security level of the
ľ		further requires that the second	first device class: (1) Digitally
ł		Device Class have a different Tamper	Signing a different ("second") Load
		Resistance or security level than the	Module by using a different
į		first Device Class.	("second") Digital Signature as the
			signature Key, which signing
			indicates to any and all devices in the
		• •	second Device Class that the signor
1	•		authorized and restricted this Load
1			Module for Use by that device.
			(2) No VDE device can perform any
			execution of any Load Module
ł			without such authorization. The
			method ensures that the Load Module
'			cannot execute in a particular Device
			Class and ensures that no device in
	·		that Device Class has the Key(s)
j .			necessary to verify the Digital
j			Signature.
l			(3) All devices in the first Device
1		·	Class have the same persistent (not
1			just occasional) and identified level of
1			Tamper Resistance and the same
1		·	persistent and identified level of
1			security. All devices in the second
			Device Class have the same
1			persistent and identified level of
1		·	Tamper Resistance and same
1			persistent and identified level of
			security.
1			(4) The identified level of Tamper
1			Resistance or identified level of
			security (or both) for the first Device
1			Class, is greater than or less than the
1			identified level of Tamper
.	1		Resistance or identified level of
			security for the second Device Class.
1			
1			For the purposes of the construction
			of this phrase, a "Load Module" is
1			defined as set forth in item #4 and
1			"Key" is defined as set forth in item
1			#66, above.
ĺ	1	1	L

'721 Claim 1	IT Construction	MS Construction
	use: see item #42 above	use: see item #42 above
load module for use by at least one device in the first	device class: see item #66 above	device class: see item #66 above
device class; and	use: see item #42 above	use: see item #42 above
second load module for use by at least one device in the second device	device class: see item #66 above	device class: see item #66 above
	by at least one device in the first device class; and distributing the second load module for use by at least one device in the	distributing the first load module for use by at least one device class; and distributing the second load module for use by at least one device in the second device in the second device in the second device in the second device device class: see item #42 above device class: see item #42 above device class: see item #42 above device class: see item #66 above



	'721 Claim 34	IT Construction	MS Construction
	34. A protected processing environment comprising:	The claim contains no requirement of a VDE protected processing environment: see item #62 above "Protected processing environment" appears in the preamble of this claim. InterTrust reserves the right to assert that it should not be defined, other than as requiring the individual claim elements.	Claim as a Whole: The "Protected Processing Environment" is part of and within VDE. (See item #86 for Microsoft's construction of VDE.) protected processing environment: see item #62 above
71.	resistant barrier having a first security level,	tamper resistant barrier: Hardware and/or software that provides Tamper Resistance.	tamper resistant barrier: (1) An active device that encapsulates and separates a Protected Processing Environment from the rest of the world. (2) It prevents information and processes within the Protected Processing Environment from being observed, interfered with, and leaving except under appropriate conditions ensuring security. (3) It also Controls external access to the encapsulated Secure resources, processes and information. (4) A Tamper Resistant Barrier is capable of destroying protected information in response to Tampering attempts. For the purposes of the construction of "Tamper Resistant Barrier," "Tamper/Tampering" is defined as set forth in item #67, above.
72.	a first secure execution space, and	secure: see item #3 above	secure: see item #3 above

		r
'721 Claim 34	IT Construction	
at least one arrangement within the first tamper resistant barrier that prevents the first secure execution space from executing the same executable accessed by a second secure execution space having a second tamper resistant barrier with a second security	IT Construction tamper resistant barrier: see item #71 above secure: see item #3 above executable: A computer program that can be run, directly or through interpretation.	MS Construction tamper resistant barrier: see item #71 above secure: see item #3 above executable: A cohesive series of machine code instructions in a format that can be loaded into memory and run (executed) by a connected processor.
the first security		
	at least one arrangement within the first tamper resistant barrier that prevents the first secure execution space from executing the same executable accessed by a second secure execution space having a second tamper resistant barrier with a second security level different from	at least one arrangement within the first tamper resistant barrier that prevents the first secure execution space from executing the same executable accessed by a second secure execution space having a second tamper resistant barrier with a second security level different from the first security tamper resistant barrier: see item #71 above secure: see item #3 above executable: A computer program that can be run, directly or through interpretation.

·				
. Patent No	. 5,920,861,	, Asserted (\bigcup n	58

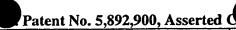
	'861 Claim 58	IT Construction	MS Construction
		The claim contains no requirement of	Claim as a whole: The recited method
74.	58. A method of	a VDE.	is performed within a VDE. (See item
	creating a first	a VDE.	#86 for Microsoft's construction of
	secure container,	secure container: see item #57 above	VDE.)
	said method	secure container. See from "57 above	,
	including the	. •	secure container: see item #57 above
	following steps;		
75.	_		
	descriptive data		
	structure, said		
	descriptive data		·
	structure including		
	or addressing	to the second se	secure container: see item #57 above
76.		secure container: see item #57 above	secure container. see item "5" doore
	information at least		
1	in part describing a		
	required or desired		• ,
	organization of a	•	·
1	content section of		,
	said first secure		·
	container, and	secure container: see item #57 above	secure container: see item #57 above
77.		secure comainer. See item #37 above	Secure container.
	information at least		
1	in part specifying at		
	least one step		
1	required or desired		
	in creation of said		
1	first secure		
70	container;	secure container: see item #57 above	secure container: see item #57 above
78.	1 -	Secure container.	
	descriptive data structure to organize		
	said first secure		
	container contents;	,	
79		secure container: see item #57 above	secure container: see item #57 above
1/9	information to at		
	least in part	, i	
	determine specific		
	information		
	required to be		
	included in said first		
	secure container		
	contents; and		
L	Contents, and	L	

	'861 Claim 58	IT Construction	MS Construction
80.	identifying at least	control (controlling): see item #7 above	control (controlling): see item #7 above
	one rule designed to control at least one	aspect: see item #60 above	aspect: see item #60 above
	aspect of access to or use of at least a	use: see item #42 above	use: see item #42 above
1	portion of said first secure container	secure container: see item #57 above	secure container: see item #57 above
	contents.	·	

	1		_		_
T.	. Patent No.	5,982,891,	Asserted	m:	1

	'891 Claim 1	IT Construction	MS Construction
01	1. A method for	The claim contains no requirement of a	Claim as a whole: The recited
81.		VDE.	method is performed within a VDE.
	using at least one	VDE.	(See item #86 for Microsoft's
1	resource processed	secure: see item #3 above	construction of VDE.)
	in a secure	Secure. See Rein #3 above	
	operating		secure: see item #3 above
	environment at a		
	first appliance, said		
	method comprising:	securely (secure): see item #3 above	securely (secure): see item #3 above
82.	securely receiving a	securery (secure). see hem as above	
	first entity's control	control: see item #4 above	control: see item #4 above
	at said first	control: see item #4 above	CONTOIL SECTION IN CASS TO
]	appliance, said first		
	entity being located		
Ì '	remotely from said		
	operating		
	environment and		
	said first appliance;	securely (secure): see item #3 above	securely (secure): see item #3 above
83.	securely receiving a	securely (secure). See item #3 above	Scource y (scource). See Helm 112 dec. C
	second entity's	control: see item #4 above	control: see item #4 above
	control at said first	Condor. See Item #4 above	<u> </u>
	appliance, said		
	second entity being	•	
Ì	located remotely		
1	from said operating		,
]	environment and		
l	said first appliance,		
	said second entity		
	being different from		•
-	said first entity; and	securely (secure): see item #3 above	securely (secure): see item #3 above
84.	securely processing a data item at said	Securery (secure). See hem "5 de ove	
	first appliance, using	·	
	at least one resource,		
05	including	securely (secure): see item #3 above	securely (secure): see item #3 above
85.	, , , , , ,	securery (secure). See item we do	
	at said first	use: see item #42 above	use: see item #42 above
	appliance through	use. See Rein 1172 user	
	use of said at least one resource said	control: see item #4 above	control: see item #4 above
		Control. See Item # 4 400 10	
	first entity's control and said second	securely applying, at said first	securely applying, at said first
1	I '	appliance through use of said at least	appliance through use of said at least
	entity's control to	one resource said first entity's control	one resource said first entity's control
	govern use of said	and said second entity's control to	and said second entity's control to
1	data item.	govern use of said data item: Normal	govern use of said data item: (1)
		English, incorporating the separately	Processing the resource (component
		defined terms: the first entity's Control	part of a first appliance's Secure
l _		ucinicu teinis. the materially a control	The state of the s

	'891 Claim 1	IT Construction	MS Construction
		and the second entity's Control are	Operating Environment) within the
į		Securely applied to govern Use of the	Secure Operating Environment's
		data item, the act of Securely applying	special-purpose Secure Processing
		involving use of the resource.	Unit (SPU) to execute the first
		·	Control and second Control in
			combination within the SPU.
1			(2) This execution of these Controls
			governs (Controls) all Use of the
		·	data item by all users, processes, and
			devices.
	•	·	(3) The processing of the resource
			and execution of the Controls cannot
			be observed from outside the SPU
			and is performed only after the
	•		integrity of the resource and
			Controls is cryptographically
			verified.
			(4) A Secure Processing Unit is a
			special-purpose unit isolated from the
			rest of the world in which a hardware
}			Tamper Resistant Barrier
		·	encapsulates a processor and internal Secure memory.
		·	(5) The processor cryptographically
İ			verifies the integrity of all code
		·	loaded from the Secure memory
			prior to execution, executes only the
1			code that the processor has
		·	authenticated for its Use, and is
			otherwise Secure.
1			<u> </u>



h: 155

	'900 Claim 155	IT Construction	MS Construction
86.	155. A virtual	Virtual Distribution Evironment: This	Claim as a Whole: The "virtual
	distribution	term is contained in the preamble of	distribution environment" is VDE.
	environment	the claim and should not be defined,	Virtual Distribution Environment:
l ·	comprising	other than as requiring the individual	(1) Data Security and Commerce
,	3	claim elements.	World: InterTrust's February 13,
		,	1995, patent application described as
		Without waiving its position that no	its "invention" a Virtual Distribution
1		separate definition is required, if	Environment ("VDE invention") for
		required to propose such a definition,	securing, administering, and auditing
1		InterTrust proposes the following:	all security and commerce digital
1		secure, distributed electronic	information within its multi-node
		transaction management and rights	world (community). VDE guarantees
	•	protection system for controlling the	to all VDE "participants" identified in
1		distribution and/or other usage of	the patent application that it will limit
		electronically provided and/or stored	all Access to and Use (i.e., interaction)
	,	information.	of such information to authorized
1			activities and amounts, will ensure any
	·	·	requested reporting of and payment
			for such Use, and will maintain the
			availability, secrecy, integrity, non-
			repudiation and authenticity of all
		•	such information present at any of its
			nodes (including protected content,
	, in the second of the second		information about content usage, and
			content Controls.).
1			·
			VDE is Secure against at least the
			threats identified in the Feburary
1			1995, patent application to this
			availability (no user may delete the
}		•	information without authorization),
			secrecy (neither available nor
			disclosed to unauthorized persons or
			processes), integrity (neither
			intentional nor accidental alteration),
			non-repudiation (neither the receiver
			can disavow the receipt of a message
1			nor can the sender disavow the
			origination of that message) and
			authenticity (asserted characteristics
1			are genuine). VDE further provides
			and requires the components and
			capabilities described below.
			Anything less than or different than
			this is not VDE or the described
			"invention."
1	İ		
L	L		

<u>'900 Claim 155</u>	IT Construction	MS Construction
		(2) Secure Processing Environment: At each node where VDE-protected information is Accessed, Used, or assigned control information, VDE requires a Secure Processing Environment (as set forth in item #6).
		(3) <u>VDE Controls</u> : VDE Allows Access to or Use of protected information and processes only through execution of (and satisfaction of the requirements imposed by) VDE Control(s).
		(4) <u>VDE Secure Container</u> : See construction of Secure Container (see item #57).
		(5) Non-Circumventable: VDE is non-circumventable (sequestered). It intercepts all attempts by any and all users, processes, and devices, to Access or Use, such as observing, interfering with, or removing) protected information, and prevents all such attempts other than as allowed by execution of (and satisfaction of all requirements imposed by) associated VDE Controls within Secure Processing Environment(s).
		(6) Peer to Peer: VDE is peer-to-peer. Each VDE node has the innate ability to perform any role identified in the patent application (e.g., end user, content packager, distributor, Clearinghouse, etc.), and can protect information flowing in any direction between any nodes. VDE is not client-server. It does not predesignate and restrict one or more nodes to act solely as a "server" (a provider of information (e.g., authored content, control information, etc.) to other nodes) or "client" (a requestor of such information). All types of protected-content transactions can proceed without requiring interaction with any server.

	'900 Claim 155	IT Construction	MS Construction
	-900 Claim 155	Treonstruction	(7) Comprehensive Range of Functions: VDE comprehensively governs (Controls) all security and commerce activities identified in the patent application, including (a) metering, budgeting, monitoring, reporting, and auditing information usage, (b) billing and paying for information usage, and (c) negotiating, signing and enforcing contracts that establish users' rights to Access or Use information.
			(8) <u>User-Configurable</u> : The specific protections governing (Controlling) specific VDE-protected information are specified, modified, and negotiated by VDE's users. For example, VDE enables a consumer to place limits on the nature of content that may be <i>Accessed</i> at her node (e.g., no R-rated material) or the amount of money she can spend on viewing certain content, both subject only to other users' senior Controls.
			(9) General Purpose; Universal: VDE is universal as opposed to being limited to or requiring any particular type of appliance, information, or commerce model. It is a single, unified standard and environment within which an unlimited range of electronic rights protection, data security, electronic currency, and banking applications can run.
			(10) Flexible: VDE is more flexible than traditional information security and commerce systems. For example, VDE allows consumers to pay for only the user-defined portion of information that the user actually uses, and to pay only in proportion to any quantifiable VDE event (e.g., for only the number of paragraphs displayed from a book), and allows editing the content in VDE containers while maintaining its security.

		TO C	MC C
	<u>'900 Claim 155</u>	IT Construction	MS Construction
			For the purposes of the construction of "VDE," "Secure Processing Environment" and "Access" are defined as set forth in item #4, above.
87.	a first host processing environment comprising	host processing environment: This term is explicitly defined in the claim and therefore needs no additional definition. It consists of those elements listed in the claim. Without waiving its position that no separate definition is required, if required to propose such a definition, InterTrust proposes the following: a Protected Processing Environment incorporating software-based security.	host processing environment: (1) A processing environment within a VDE node which is not a Secure Processing Environment. (2) A "host processing environment" may either be "secure" or "not secure." (3) A "secure host processing environment, formed by loaded, Executable programming executing on a general purpose CPU (not a Secure Processing Unit) running in protected (privileged) mode. (4) A "non-secure host processing environment" is formed by loaded, Executable programming executing on a general purpose CPU (not a Secure Processing environment" is formed by loaded, Executable programming executing on a general purpose CPU (not a Secure Processing Unit) running in user mode. For the purposes of the construction of "Host Processing Environment," a "Secure Processing Environment" is defined as set forth in item #4, above.
88.	a central processing unit;		
89.	main memory operatively connected to said central processing unit;		·
90.	mass storage operatively connected to said central processing unit and said main memory;		

			MC Compton Aller
	<u> '900 Claim 155</u>	IT Construction	MS Construction
91.	storing tamper resistant software designed to be loaded into said main memory and executed by said central processing unit, said tamper resistant software comprising:	derives: Normal English: obtains,	derives: To retrieve from a specified
92.	machine check programming which derives information from one or more aspects of said host processing environment,	receives or arrives at through a process of reasoning or deduction. In the context of computer operations, the "process of reasoning or deduction" constitutes operations carried out by the computer. aspect: see item #60 above	source. aspect: see item #60 above
		host processing environment: see item #87 above derives information from one or more aspects of said host processing environment: Normal English, incorporating the separately defined terms: Derives (including creates) information based on at least one Aspect of the previously referred to Host Processing Environment.	host processing environment: see item #87 above derives information from one or more aspects of said host processing environment: (1) Deriving from the Host Processing Environment hardware one or more values that uniquely and persistently identify the Host Processing Environment and distinguish it from other Host Processing Environments. (2) The "one or more aspects of said host processing environment" are persistent elements or properties of the Host Processing Environment itself that are capable of being used to distinguish it from other environments, as opposed to, e.g., data or programs stored within the mass storage or main memory, or processes executing within the Host Processing Environment.
93.	one or more storage locations storing said information;		

	'900 Claim 155	IT Construction	MS Construction
94.	integrity programming which causes said machine check programming to derive said information, compares said information to information previously stored in said one or more storage locations, and	derive: see item #92 above compares: Normal English: examines for the purpose of noting similarities and differences. "Comparison" refers to the act of comparing.	derive: see item #92 above compares: A processor operation that evaluates two quantities and sets one of three flag conditions as a result of the comparison – greater than, less than, or equal to.
95.	generates an indication based on the result of said comparison; and	comparison (compares): see item #94 above	comparison (compares): see item #94 above
96.	programming which takes one or more actions based on the state of said indication;		
97.	said one or more actions including at least temporarily halting further processing.		

	'912 Claim 8	IT Construction	MS Construction
98.	8. A process comprising the following steps:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #93 for Microsoft's construction of VDE.)
99.	accessing a first record containing information directly or indirectly identifying one or more elements of a first component assembly,	component assembly: Components are code and/or data elements that are independently deliverable. A Component Assembly is two or more components associated together. Component Assemblies are utilized to perform operating system and/or applications tasks.	containing: see item #58 above component assembly: (1) A cohesive Executable component created by a channel which binds or links together two or more independently deliverable Load Modules, and associated data. (2) A Component Assembly is assembled, and executes, only within a VDE Secure Processing Environment. (3) A Component Assembly is assembled dynamically in response to, and to service, a particular contentrelated activity (e.g., a particular Use request). (4) Each VDE Component Assembly is assigned and dedicated to a particular activity, particular user(s), and particular protected information. (5) Each Component Assembly is independently assembled, loadable and deliverable vis-à-vis other Component Assembly is directed by a "blueprint" Record Containing control information for this particular activity on this particular information by this particular user(s). (7) Component Assemblies are extensible and can be configured and reconfigured (modified) by all users, and combined by all users with other Component Assemblies, subject only to other users' "senior" Controls. For the purposes of the construction of "Component Assembly," "Load Module," "Secure Processing
			Environment" and "Record" are defined as set forth in item #4 above.
100.	at least one of said	executable programming (executable):	executable programming: A cohesive
100.	elements including at least some	see item #73 above	series of machine code instructions, comprising a computer program, in a
L		CLAIM CONSTRUCTION STATEMEN	个

EXHIBIT A TO JOINT CLAIM CONSTRUCTION STATEMENT

'912 Claim 8	IT Construction	MS Construction
executable programming,		format that can be loaded into memory and run (executed) by a connected processor. A "computer program" is a complete series of definitions and instructions that when executed on a computer will perform a required or requested task.
101. at least one of sai elements constituting a loa module,		
102. said load module including executable programming an a header;	executable programming (executable): see item #73 above	executable programming: see item #100 above
103. said header including an execution space identifier identifying at least one aspect of an execution space required for use and/or execution the load module associated with sa header;	identifying at least one aspect of an execution space required for use and/or execution of the load module: Normal English, incorporating the	aspect: see item #59 above use: see item #42 above identifying at least one aspect of an execution space required for use and/or execution of the load module: (1) Defining fully, without reference to any other information, at least one of the persistent elements or properties (Aspects) (that are capable of being used to distinguish it from other environments of an execution space) that are required for any Use, and/or for any execution, of the Load Module. (2) An execution space without all of those required aspects is incapable of making any such execution and/or other Use (e.g., Copying, displaying, printing) of the Load Module. For the purposes of the construction of this phrase, a "Load Module" is defined as set forth in item #4, above

			MS Construction
	<u> '912 Claim 8</u>	IT Construction	
104.	said execution	identifier: see item #28	identifier: see item #28
	space identifier		·
	provides the		
	capability for		
	distinguishing		
]	between execution		
[[spaces providing a		
	higher level of		
	security and		
	execution spaces		·
	providing a lower		
	level of security;		
105.		,	·
	information to		
	identify and locate	· .	
	said one or more		
	elements;		
106.			·
	located one or more		
	elements;	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	securely: see item #3 above
107.		securely: see item #3 above	securery. see item #3 above
	assembling said one		component assembly: see item #98
]	or more elements to	component assembly: see item #98	above
	form at least a	above	above
	portion of said first		.
	component		
100	assembly;	executable programming (executable):	executable programming: see item
108.	executing at least some of said	see item #73 above	#100 above
	executable	300 IOIII # / 3 400 10	
	programming; and		
109.		, , , , , , , , , , , , , , , , , , , ,	
109.	record for validity		·
	prior to performing		
	said executing step.		
L	Said Excedding step.		

I	'912 Claim 35	IT Construction	MS Construction
110.		The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #86 for Microsoft's construction of VDE.)
111.	at a first processing environment receiving a first record from a second processing environment remote from said first processing environment;		
112.	said first record being received in a secure container;	secure container: see item #57 above	secure container: see item #57 above
113.	said first record containing identification information directly or indirectly identifying one or more elements of a first component assembly;	containing: see item #57 above component assembly: see item #98 above	containing: see item #57 above component assembly: see item #98 above
114.	at least one of said elements including at least some executable programming;	executable programming (executable): see item #73 above	executable programming: see item #100 above
115.	<u> </u>	component assembly: see item #98 above use: see item #42 above	component assembly: see item #98 above use: see item #42 above
116.	said secure container also including a first of said elements;	secure container: see item #57 above	secure container: see item #57 above
117.	record;		

γ	'912 Claim 35	IT Construction	MS Construction
		TI Construction	The Construction
ľ	said one or more		
	elements;		
119.	said locating step		
İ	including locating		
	a second of said elements at a third	·	
1	processing		·
	environment		
	located remotely from said first		
			·
	processing environment and		
	said second		
	processing		
	environment;		
120.	accessing said		
120.	located one or		
	more elements;		
121.	said element		
121.	accessing step		
	including		
	retrieving said		
	second element		
	from said third		
	processing		
	environment;		
122.	securely	securely (secure): see item #3 above	securely (secure): see item #3 above
	assembling said		
	one or more	component assembly: see item #98	component assembly: see item #98
	elements to form	above	above
	at least a portion		
	of said first		
	component		
	assembly		
	specified by said		,
	first record; and		executable programming: see item
123.	executing at least	executable programming (executable): see item #73 above	#100 above
	some of said	See item #15 above	π100 αυσγο
	executable		
104	programming,		
124.	said executing step		
	taking place at said		
	first processing		
<u> </u>	environment.		<u> </u>